Gulper Pin Puller Bench Test 30 Mar 2011

Required equipment

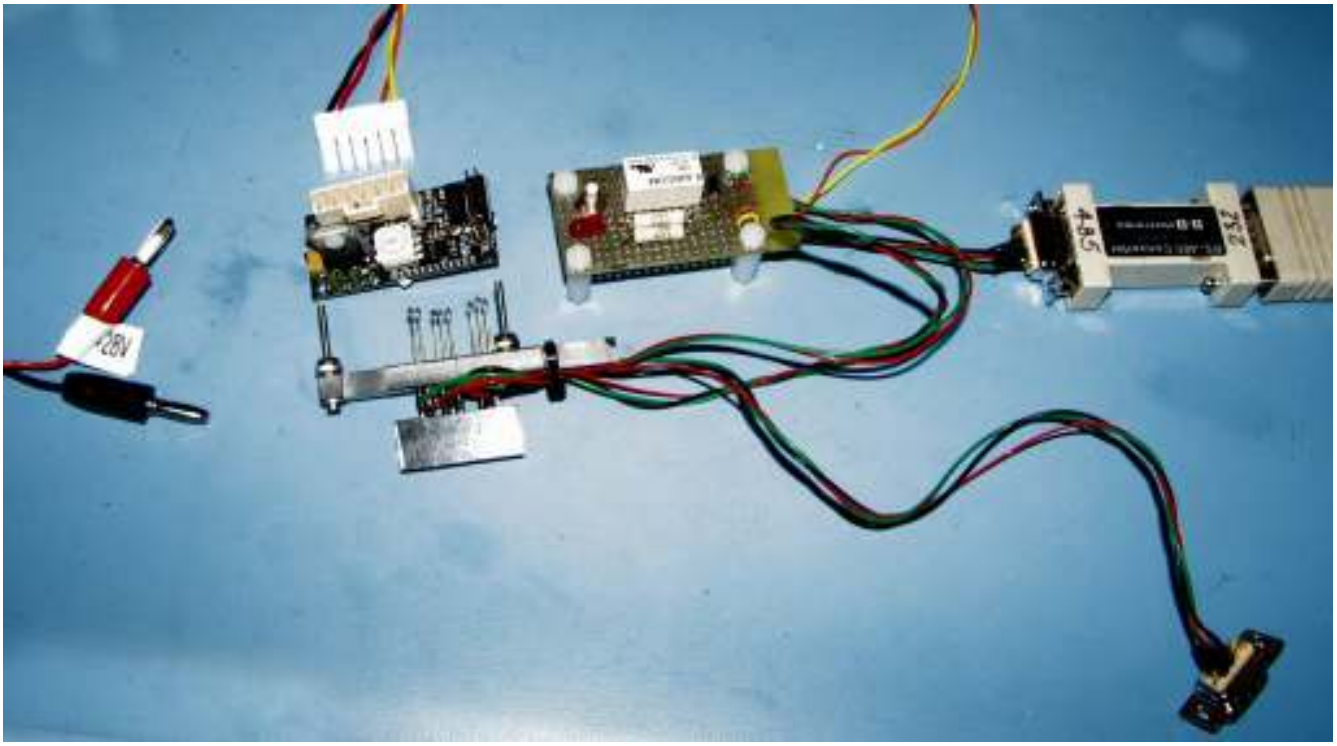
Power Supply, 28V 1Amp
Test Cable Assembly with PogoStick pins
High Side LED, Relay and Hall Effect Switch board
RS232 – RS485 Converter
Computer with Hyperterm and RS-232 serial port
Oscilloscope
Digital Multimeter

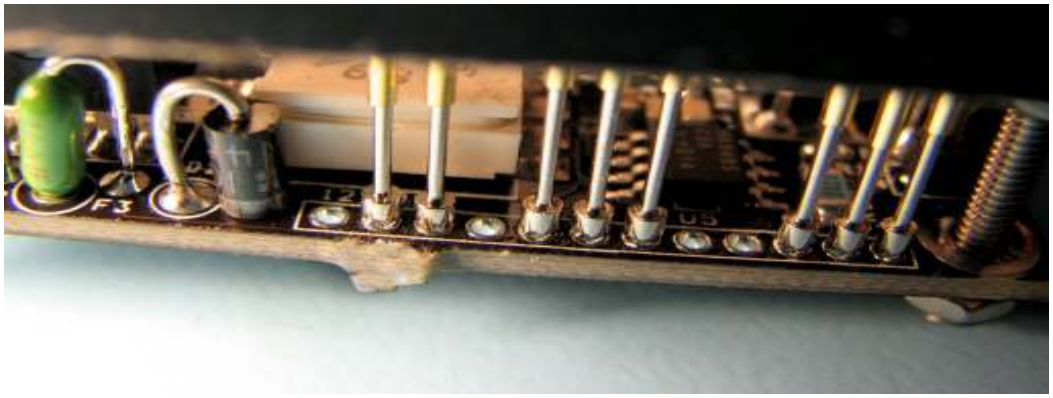
Set Up

Inspect board for solder bridges, unsoldered connections, missing components
See that the Hex switch is set to position "0"
Plug in white Hirose connector to P3
Position P2 Pins assembly into place guided by screws into PCB mounting holes
Connect banana jacks into 28V power supply
Connect a DB9 male into the RS-485 converter
Hook up the RS-232 side of the converter to the computer's RS-232 serial port
Run hyperterminal
    9600 8-N-1
    Send line ends with line feeds
    Echo typed characters locally
Turn on the 28V power supply
Current draw should be approx 20 – 40 mA

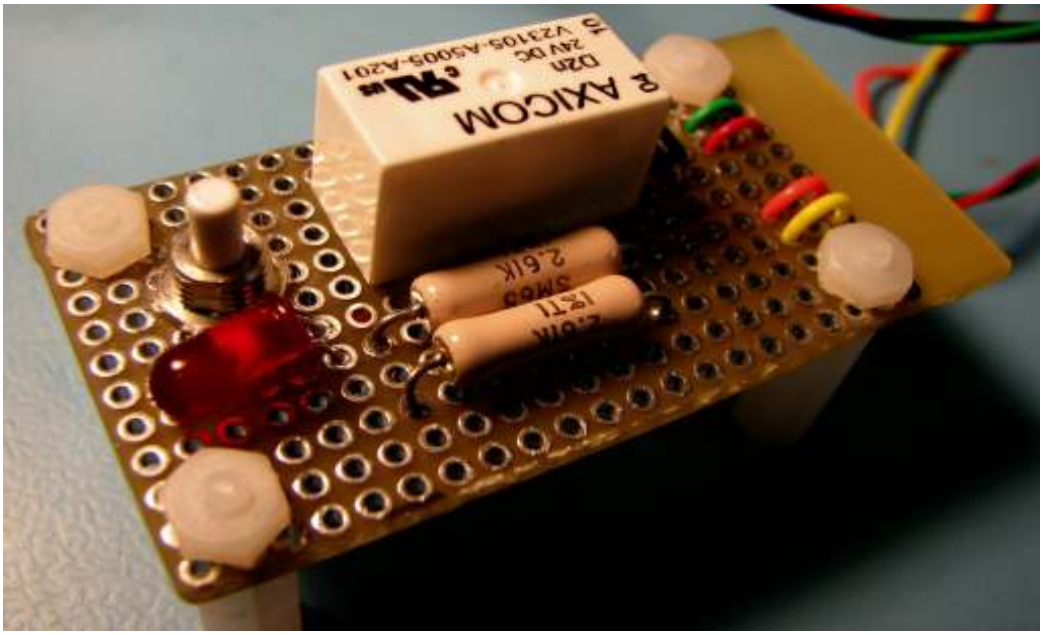
Procedure

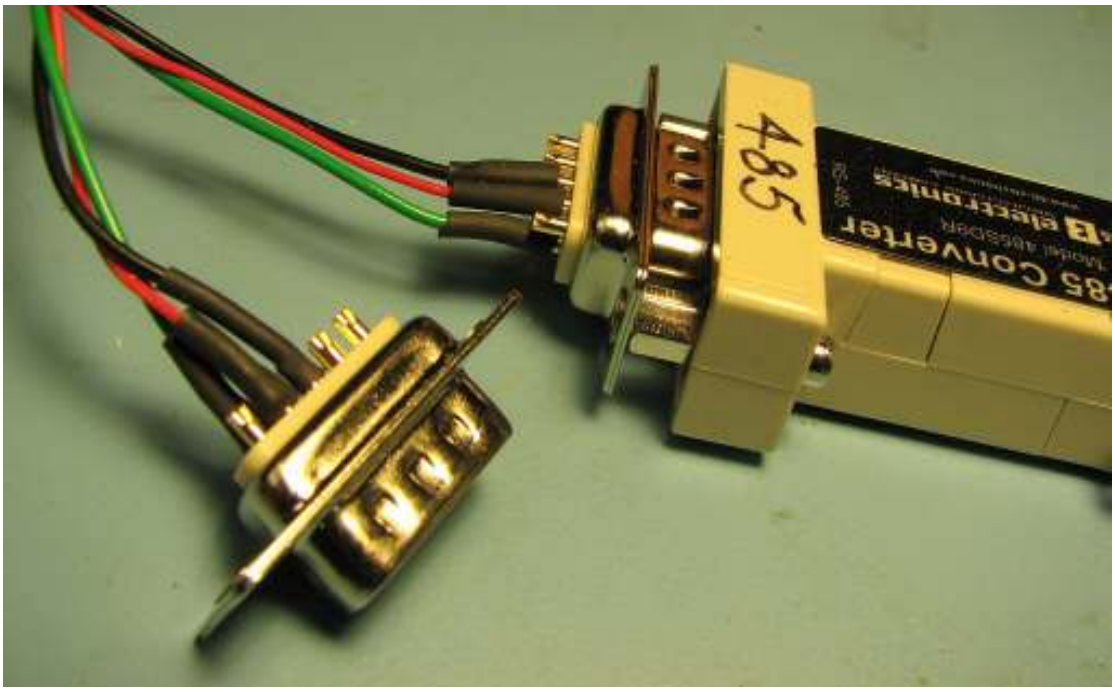
Ensure green Power On LED D6 is lit
Type in $001Sff
    Response *0000
Type in $001Fff
    Relay should click
    High Side red LED should be lit for approx ½ sec
Push the Hall Effect Switch
Type in $001Qff
    Response *003666
    (number of milliseconds between firing and Hall Effect switch closure)
Type in $001Sff
    Response *000e
Type in $001Rff
Type in $001Sff
    Response *0000
Remove DB9 and plug in the other DB9
Repeat preceeding steps






485
B&B electronics
Model 485SD9R
RS-485
RS-232
RS-485 Converter
232


AXICOM
D2M
24V DC
V23105-A5005-A201
2.61K


485
elektronics